IFW16

RAW SEQUENCE LISTING                    DATE: 08/31/2004
PATENT APPLICATION:  US/09/889,182B     TIME: 13:51:20

Input Set : A:\4121-126_third_submission.ST25.txt
Output Set: N:\CRF4\08312004\I889182B.raw

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   3 <110> APPLICANT: Breitling, Frank
   4         Poustka, Annemarie
   5         Moldenhauer, Gerhard
   7 <120> TITLE OF INVENTION: SELECTION OF MONOCLONAL ANTIBODIES
   9 <130> FILE REFERENCE: 4121-126
  11 <140> CURRENT APPLICATION NUMBER: US 09/889,182B
C-->12 <141> CURRENT FILING DATE: 2002-01-10
  14 <150> PRIOR APPLICATION NUMBER: PCT/DE00/00079
  15 <151> PRIOR FILING DATE: 2000-01-11
  17 <160> NUMBER OF SEQ ID NOS: 8
  19 <170> SOFTWARE: PatentIn version 3.2
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  27 <223> OTHER INFORMATION: Synthetic sequence
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  31 <221> NAME/KEY: CDS
  32 <222> LOCATION: (737)..(1420)
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  39 gaccgcccaa cgacccccgc ccattgacgt caataatgac gtatgttccc atagtaacgc   180
  41 caatagggac tttccattga cgtcaatggg tggactattt acggtaaact gcccacttgg   240
  43 cagtacatca agtgtatcat atgccaagta cgccccctat tgacgtcaat gacggtaaat   300
  45 ggcccgcctg gcattatgcc cagtacatga ccttatggga ctttcctact tggcagtaca   360
  47 tctacgtatt agtcatcgct attaccatgg tgatgcggtt ttggcagtac atcaatgggc   420
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  55 taactagaga acccactgct tactggctta tcgaaattaa tacgactcac tataggagac   660
  57 cccaagcttg gtaccgagct cggatccact agtaacggcc gccagtgtgc tggaattcgg   720
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  64 Leu Trp Val Pro Gly Ser Thr Gly Asp Tyr Pro Tyr Asp Val Pro Asp
  65         15                  20                  25
  67 tat gct ggg gcc caa aag ccc gag gtg atc gat gcc agc gag ctg acc     868
  68 Tyr Ala Gly Ala Gln Lys Pro Glu Val Ile Asp Ala Ser Glu Leu Thr
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  71 ccc gcc gtg acc acc tac aag cta gtg atc aac ggc aag acc ctg aag     916
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 75 ggc gag acc acc acc gag gcc gtg gac gcc gcc acc gcg gag aag gtg        964
 76 Gly Glu Thr Thr Thr Glu Ala Val Asp Ala Ala Thr Ala Glu Lys Val
 77                  65                  70                  75
 79 ttc aaa caa tac gct aat gac aac ggg gtc gac ggc gag tgg act tac       1012
 80 Phe Lys Gln Tyr Ala Asn Asp Asn Gly Val Asp Gly Glu Trp Thr Tyr
 81              80                  85                  90
 83 gac gac gcc acc aag acc ttc acc gtg acc gag aag ccc gag gtg atc       1060
 84 Asp Asp Ala Thr Lys Thr Phe Thr Val Thr Glu Lys Pro Glu Val Ile
 85          95                 100                 105
 87 gat gcc agc gag ctg acc ccc gcc gtg acc acc tac aag cta gtg atc       1108
 88 Asp Ala Ser Glu Leu Thr Pro Ala Val Thr Thr Tyr Lys Leu Val Ile
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 91 aac ggc aag acc ctg aag ggc gag acc acc acc gag gcc gtg gac gcc       1156
 92 Asn Gly Lys Thr Leu Lys Gly Glu Thr Thr Thr Glu Ala Val Asp Ala
 93 125                 130                 135                 140
 95 gcc acc gcg gag aag gtg ttc aaa caa tac gct aat gac aac ggg gtc       1204
 96 Ala Thr Ala Glu Lys Val Phe Lys Gln Tyr Ala Asn Asp Asn Gly Val
 97                 145                 150                 155
 99 gac ggc gag tgg act tac gac gac gcc acc aag acc ttc acc gtg acc       1252
100 Asp Gly Glu Trp Thr Tyr Asp Asp Ala Thr Lys Thr Phe Thr Val Thr
101             160                 165                 170
103 gag gcg gcc gca gaa caa aaa ctc atc tca gaa gag gat ctg aat ggg       1300
104 Glu Ala Ala Ala Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn Gly
105             175                 180                 185
107 gcc gtc gac gga caa aac gac acc agc caa acc agc agc ccc tca gca       1348
108 Ala Val Asp Gly Gln Asn Asp Thr Ser Gln Thr Ser Ser Pro Ser Ala
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111 tcc agc aac ata agc gga ggc att ttc ctt ttc ttc gtg gcc aat gcc       1396
112 Ser Ser Asn Ile Ser Gly Gly Ile Phe Leu Phe Phe Val Ala Asn Ala
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116 Ile Ile His Leu Phe Cys Phe Ser
117                 225
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135 ccaggcgttt cccctggaa gctccctcgt gcgctctcct gttccgaccc tgccgcttac     1990
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253 cgaccccaaa aaacttgatt agggtgatgg ttcacgtagt gggccatcgc cctgatagac  5530
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290 Thr Glu Ala Val Asp Ala Ala Thr Ala Glu Lys Val Phe Lys Gln Tyr
291 65                  70                  75                  80
294 Ala Asn Asp Asn Gly Val Asp Gly Glu Trp Thr Tyr Asp Asp Ala Thr
295                 85                  90                  95
298 Lys Thr Phe Thr Val Thr Glu Lys Pro Glu Val Ile Asp Ala Ser Glu
299             100                 105                 110
302 Leu Thr Pro Ala Val Thr Thr Tyr Lys Leu Val Ile Asn Gly Lys Thr
303         115                 120                 125
306 Leu Lys Gly Glu Thr Thr Thr Glu Ala Val Asp Ala Ala Thr Ala Glu
307     130                 135                 140
310 Lys Val Phe Lys Gln Tyr Ala Asn Asp Asn Gly Val Asp Gly Glu Trp
311 145                 150                 155                 160
314 Thr Tyr Asp Asp Ala Thr Lys Thr Phe Thr Val Thr Glu Ala Ala Ala
315                 165                 170                 175
318 Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn Gly Ala Val Asp Gly
319             180                 185                 190
322 Gln Asn Asp Thr Ser Gln Thr Ser Ser Pro Ser Ala Ser Ser Asn Ile
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340 <223> OTHER INFORMATION: Synthetic Sequence
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375 Ala Ala Ala Leu Ala Pro Thr Gln Thr Arg Ala Gly Ala Gln Lys Glu
376               15                  20                  25
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379 Lys Thr Pro Glu Glu Pro Lys Glu Glu Val Thr Ile Lys Ala Asn Leu
380               30                  35                  40
382 atc tac gcc gac ggc aag acc cag acc gcc gag ttc aag ggc acc ttc    855
383 Ile Tyr Ala Asp Gly Lys Thr Gln Thr Ala Glu Phe Lys Gly Thr Phe
384               45                  50                  55
386 gag gag gcc acc gcg gag gcc tac cgc tac gcc gac gcc ctg aag aag    903
387 Glu Glu Ala Thr Ala Glu Ala Tyr Arg Tyr Ala Asp Ala Leu Lys Lys
388      60                  65                  70
390 gac aac ggc gag tac acc gtg gac gtg gcc gac aag ggc tac acc ctg    951
391 Asp Asn Gly Glu Tyr Thr Val Asp Val Ala Asp Lys Gly Tyr Thr Leu
392 75                  80                  85                  90
394 aac atc aag ttc gcc ggc aag gag aag acc ccc gag gag ccc aag gag    999
395 Asn Ile Lys Phe Ala Gly Lys Glu Lys Thr Pro Glu Glu Pro Lys Glu
396               95                  100                 105
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399 Glu Val Thr Ile Lys Ala Asn Leu Ile Tyr Ala Asp Gly Lys Thr Gln
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403 Thr Ala Glu Phe Lys Gly Thr Phe Glu Glu Ala Thr Ala Glu Ala Tyr
404               125                 130                 135
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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date